

POIAKOWSKI, I

SENGER, A.; GRYBOS, J.; JESKE, Witold; PIECHOCKI, K.; POIAKOWSKI, I.; SWIDERSKI, G.

Significance of early stabilization of the spine in the treatment of spinal fractures with cord injuries. Chir. narz. ruchu 22 no.4:377-380 1957.

1. Z Kliniki Ortopedycznej A. M. w Poznaniu. Kierownik: prof. dr W. Dega
Poznan, ul. Dzierzynskiego 135/147

(SPINE, fractures

causing spinal cord inj., surg., early stabilization of spine (Pol))

(SPINAL CORD, wds. & inj.

caused by fract. of spine, surg., early stabilization of spine (Pol))

KROL, Jerzy; POLAKOWSKI, Lech; GRZEBIEN, Kazimierz (Poznan, Dzierzynskiego
135)

Tendon transplantation on the foot after poliomyelitis. Chir.narz.
ruchu 20 no.2:101-109 1955.

1. Z Kliniki Ortopedycznej A. M. w Poznaniu, Kierownik: prof. dr
W. Dega.

(POLIOMYELITIS, surgery,
foot tendon transpl.)

(FOOT, muscles,
tendon transpl. in polio.)

DEGA, Wiktor; KROL, Jerzy; POIAKOWSKI, Lech

Simultaneous reposition-reconstruction in congenital hip dislocations
in children. Chir. narz. ruchu 24 no.2:117-129 1959.

1. Z Kliniki Ortopedycznej A. M. w Poznaniu Kierownik: prof. dr W. Dega
Adres autorow: Poznan, ul. Dzierzynskiego 135.

(HIP, dislocation,
congen. simultaneous reposition-reconstruction in
child (Pol))

DEGA, Wiktor; KROL, Jerzy; POLAKOWSKI, Lech

Mac Murray's osteotomy and Charnley's trans-acetabular arthrodesis
in the treatment of coxarthrosis deformans. Chir.narz.ruchu ortop.
polska 24 no.6:585-587 '59.

1. Z Kliniki Ortopedycznej AM w Poznaniu. Kierownik: prof. dr
W. Dega.

(HIP dis.)

POLAKOWSKI, Lech; KEDZIERSKA, 'adia

Biological preparation "Rumalon" in the treatment of some diseases with lesions of the articular cartilage. Chir. narzad. ruchu ortop. Pol. 29 no.6:737-740 '64

1. Z Kliniki Ortopedycznej Akademii Medycznej w Poznaniu (kierownik: prof. dr. W. Dega) i z Katedry Medycyny Rehabilitacyjnej Akademii Medycznej w Poznaniu (p.o. kierownik: dr. med. J. Tomaszewska).

DEGA, W., Prof.; KROL, J.; POLAKOWSKI, L. (Poznan)

Our experiences with single-stage surgical reconstruction of the joint in congenital hip dislocation in children. Acta chir. orthop. traum. cech. 26 no.5-6:491-493 1959.

1. Ortopedická klinika v Poznani, prednosta prof. dr. W. Dega.
(HIP, fract. & disloc.)

REPRODUCED FROM
USSR.

Contemporary metal processing techniques in Russia. N. H. Polakowski (*Metal Progr.*, 1955, 87, No. 1, 99-103).—A brief review of recent Russian articles on gaseous carburising of automobile gears with induction heat; continuous manufacture of spiral welded pipes; powder metallurgy; metallising and mechanical surface treatment; automation in metal working; continuous casting; automatic arc welding of Al alloys; mechanised working of metals; and electrolytic hardening.

W. ASHWORTH.

2

B

4717 **Manufacture of Quality Steel in Russia.** N. H. Polakowski. *Metal Progress*, v. 58, Mar. 1951, p. 359-363.

An expatriate tells of some of the difficulties the steelmaker faces in the "workers' paradise," some of them due to official regulations governing details of technical practice worked out to cover ideal situations. States that no fundamental improvements have occurred in the art and science of steel manufacture and treatment. Equipment generally is modern—at least in comparison with West-European mills—since a 6-fold expansion has taken place in the last 20 yrs., based on prototypes installed by up-to-date German and American firms. Gives a considerable amount of quantitative information concerning compositions and processes, including salt baths and atmospheres for heat treatment, cyaniding, and carburization, also on refractory life, and rolling mills, tube-making, etc.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECTION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SECTION: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CADo

MATERIALS - Nonmetals

1295 RUSSIAN PRACTICE IN MACHINING WITH CEMENTED CARBIDES, N. M. Polakowski; MACHINERY (British) 27 Mar '52 (80-2054 Wkly); pp 540-543; 3 illus, 6 rb.

Although a considerable amount of Russian literature on machining is available in the form of recent books and periodicals, knowledge, generally, of what is being done in this field seems to be rather limited. This paper presents a brief outline of developments in carbide tool design and the performances said to be obtained in the USSR. The review, which is limited to single-point machining, is based on recent sources, and references are given at the end of the article.

POLAKOWSKI, N.H.

Journal of Applied Chemistry
March 1954
Industrial Inorganic Chemistry

① M N
Chromium-nickel steels alloyed with nitrogen. N. H. Polakowski
(*Metal Progr.*, 1953, 83, No. 6, 170-172).—A digest of a paper
by V. I. Proavirin, N. S. Krishitshanovskii, and R. P. Zaitayeva
(*Lit. Proizvodstva*, 1952, 8, 22) is presented. N is introduced as
nitrided ferrochrome (C 0.04%, Cr 65%, N 2-3%) into a steel
containing C 0.1%, Cr 17%, and Ni 10%, when melted in an induc-
tion furnace at ~1530°. With the N content of the bath ranging
from 0.5 to 1.5%, ~0.3% of the N is retained in solid solution in
the alloy; higher N content in the bath causes porosity in the solid
ingot. For steels containing 15-17% of Cr the optimum N
content of the bath is 0.15-0.20%. In melting practice temp.
variations from 1338° to 1549° and heating durations up to 30 min.
do not lead to a significant loss of N in the metal.

C. W. MORLEY.

Polakowski, N. H.

4028 Contemporary Metal Processing Techniques in Russia. N. H. Polakowski. *Metal Progress*, v. 61, Jan. 1953, p. 98-103.
Clues of the progress being made; inferences instilled by the studious omission of news from countless branches of metallurgical endeavor. Diagrams.

M. 224

SOBIS, H.; SZADOWSKA, A.; POLAKOWSKI, P.

Effect of calcium pantothenate and vitamin C on pulmonary changes
in mice infected with the influenza virus. Acta physiol. polon.
11 no.5/6:883-884 '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Lodzi, Kierownik: prof.
dr A. Pruszczyński. Z Zakladu Farmakologii A.M. w Lodzi, Kierownik:
prof. dr E. Leyko.

(PANTOTHENIC ACID pharmacol)
(VITAMIN C pharmacol)
(INFLUENZA exper)

DARZYŃKIEWICZ-CZERNIK, Daniela; POLAKOWSKI, Przedzislaw; SZADOWSKA, Anna

Pharmacological properties of certain thiazoline derivatives.
Med.dosw.mikrob. 12 no.3:301-309 '60.

1. Z Zakładu Farmakologii A.M. w Łodzi Kierownik Zakładu: prof.
dr nauk med. E.Leyko.
(THIAZOLES pharmacol)

SOBIS, Halina; SZADOWSKA, Anna; POLAKOWSKI, Przedzislaw

Effect of vitamin C and calcium pantothenate on pulmonary changes
in mice infected with influenza viruses. Med.dow.mikrob. 12 no.4:
397-404 '60.

1. Z Zakladu Anatomii Patologicznej A.M. w Lodzi, Kierownik: prof.
dr med. A.Pruszczyński i z Zakladu Farmakologii A.M. w Lodzi,
Kierownik: prof. dr nauk med. E.Leyko.

(INFLUENZA exper)

(VITAMIN C pharmacol)

(PANTOTHENIC ACID pharmacol)

DEBCOWA, Barbara; NOWICKI, Stanislaw; POLAKOWSKI, Przedzislav

Acute chlorpromazine poisoning in a 4-year-old child. *Pediat.
polska* 36 no.4:407-409 '61.

1. Z II Kliniki Chorob Dzieci AM w Lodzi Kierownik: prof. dr
med. F. Redlich.

(CHLORPROMAZINE toxicol)

L 25663-66 EWP(v)/EWP(k)/EWP(h)/EWP(i)

ACC NR: AM6003230

Monograph

PO/

Polanski, Zbigniew (Doctor, Engineer)

29

B+1

¹⁸
Electrospark drilling of metals by compensated electrodes (Elektroiskrowe druzenie metali erodami kompensacyjnymi) Warsaw, WNT, 1965 95 p. illus., biblio. Errata slip inserted. 2190 copies printed. Series note: Nowa technika

TOPIC TAGS: drilling machine, electrospark machining, machine tool

PURPOSE AND COVERAGE: This book is intended for engineering and technical personnel in the machine-building industry. The book presents techniques for shaped-hole electrospark-drilling in hard-to-drill metals, especially in sintered metal carbides. The presentation is based on the operation of the Polish-designed commercial EDA35 electrospark-drilling machine. The method for designing compensated electrospark-drilling electrodes is described, and technological, physical, and economic information on electrospark-drilling are discussed. The results of research on electrospark metal machining, conducted at the Cracow Polytechnic under the supervision of Prof. Dr. Eng. J. Kaczmarek, have been used in this book. Dr. Eng. K. Albinski provided the author with some materials

Card 1/2

UDC 621.319.621.958

2

L 25663-66

ACC NR: AM6003230

and constructive criticism.

TABLE OF CONTENTS [abridged]

Foreword -- 5

Ch.I. Definition and Principal Uses of Electrospark-Machining -- 7

Ch.II. Wear of Compensated Electrodes -- 12

Ch.III. Compensated Electrodes -- 27

Ch.IV. Technology of Electrospark-Drilling with Compensated Electrodes -- 55

Ch.V. Economic and Physical Problems of Compensating Electrode Wear -- 83

Bibliography -- 95

SUB CODE: 13,08/ SUBM DATE: 13Feb65/--65/ ORIG REF: 038/ OTH REF: 002

Card 2/2 *da*

POIAN, J.; NETUSIL, J.

Lighting boiler rooms. p. 576.

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkého strojírenství a Československé
vědecká technická společnost pro elektrotechniku při Československé akademii
věd) Praha, Czechoslovakia. Vol. 48, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960

Uncl.

POLAN, Jan, inz.

On the drafting of directives on classification of coal
deposit reserves. Geol pruzkum 5 no.12:371-372 D '63.

1. Sdruzeni ostravsko-karvinskych dolu, Ostrava.

POLAN, Jan, inz.; BRANDEJS, Jan, inz.

Computing and recording geological reserves by calculating machines.
Uhli 5 no.4:115-118 Ap '63.

1. Sdružení Ostravsko-Karvinských dolů, Ostrava.

POLAN, Josef

Lighting of electric power plants. (Conclusion). Energetika Cz
13 no.2:89-90 F '63.

1. Tesla Holesovice, n.p., Praha.

POLAN, Josef

Lighting of electric power plants. Part 1. Energetika Cz
12 no.6:319-322 Je '62.

1. Tesla Holesovice, n.p., Praha.

du

11d

— **Sugar changes in the banana during ripening.** G. L. Poland, J. T. Manion, M. W. Burner and P. L. Haffner. *Food Eng. Chem.*, 30, 340 (1938). There were 3.69% of total reducing sugars in the partially ripe and 7.45% in the fully ripe fruit. Sucrose increased from 7.95 to 12.08% but on percentage of total sugar basis it decreased from 68 to 62%. Glucose amounted to approx. 58% and fructose to approx. 42% of total reducing sugars regardless of the stage of ripening. I. R. Sells

J. R. Syllar

ASM-324 METALLURGICAL LITERATURE CLASSIFICATION

POLANDOV, I.

In university laboratories. Pozh.delo 6 no.5:9 My '60.
(MIRA 13:8)

1. Prepodavatel' Moskovskogo gosudarstvennogo universiteta.
(Moscow--Chemical laboratories--Fires and fire prevention)

S/181/62/004/011/044/049
B108/B186

AUTHORS: Leonidova, G. G., Polandov, I. N., and Golentovskaya, I. P.

TITLE: Effect of hydrostatic head on the temperature of phase transition in triglycine sulfate

PERIODICAL: Fizika tverdogo tela, v. 4, no. 11, 1962, 3337-3340

TEXT: Triglycine sulfate $[(\text{NH}_2\text{CH}_2\text{COOH})_3 \cdot \text{H}_2\text{SO}_4]$ is a ferroelectric substance pertaining to the space group $P2_1$ which goes over into the space group $P2_1/m$ on transition into the paraelectric state. To check the linear rise of the Curie temperature with pressure, the authors subjected little single crystals to pressures of up to 5000 kg/cm^2 at temperatures between $+49$ and $+65^\circ\text{C}$ (constancy ± 0.02 degrees). The capacity of the crystals was measured as a function of pressure at constant temperature. The inversion points of the dielectric constant at different temperatures, determined from the capacities, were used to plot the curve of Curie temperature versus pressure. The curve is linear up to pressures of 3350 kg/cm^2 . Thereafter it tends to saturation. Up to 2500 kg/cm^2 the

Card 1/2

LEONIDOVA, G.G.; POLANDOV, I.N.

Transition of barium titanate to the paraelectric state at high pressure. Fiz. tver. tela 4 no.9:2614-2615 S '62. (MIRA 15:9)

1. Institut fiziki vysokikh davleniy AN SSSR, Moskva.
(Barium titanate—Electric properties)

POLANDOV, I.N.

Dielectric properties of a polycrystalline solid solution of
 $\text{Ba}(\text{Ti}, \text{Sn})\text{O}_3$ at high pressures. Dokl. AN SSSR 150 no.4:779-780
Je '63. (MIRA 16:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
i Institut fiziki vysokikh davleniy AN SSSR. Predstavleno
akademikom I.V. Obreimovym.
(Dielectric constant)
(Solutions, Solid)

Polandov, I. N.

AID Nr. 980-10 31 May

EFFECT OF HYDROSTATIC PRESSURE ON POLYMORPHIC TRANSITION
POINT OF ANTIFERROELECTRIC Pb_2MgWO_6 (USSR)

Polandov, I. N. Fizika tverdogo tela, v. 5, no. 4, Apr 1963, 1147-1149.
S/181/63/005/004/029/047

The dielectric properties of a new ferroelectric with a perovskite-type structure has been investigated in a weak electric field under pressures up to 5000 kg/cm². A polycrystalline specimen 0.48 mm thick and 4.8 mm in diameter was contained in a thick-walled vessel in which the pressures could be increased smoothly up to 6000 kg/cm². In confirmation of earlier results obtained by G. A. Smolenskiy, the maximum of dielectric permittivity was observed at 38.3°C. This corresponds to the transformation from the anti-ferroelectric to the paraelectric phase. The results of experiments where permittivity was measured as a function of pressure for different constant temperatures showed that the permittivity maxima shifted markedly toward higher pressures at lower temperatures. Application of a strong (17 kv/cm)

Card 1/2

AID Nr. 980-10 31 May

EFFECT OF HYDROSTATIC PRESSURE [Cont'd]

8/181/63/005/004/029/047

electric field did not show any effect on the permittivity maxima. At temperatures close to the Curie point, the permittivity curve tended to drop under increased pressure after reaching a maximum. The plot of Curie temperature as a function of pressure was linear at pressures up to 2000 kg/cm^2 , leveling off at higher pressures. The temperature slope for the linear section of the curve was found to be $5.92 \cdot 10^{-3} \text{ deg/atm}$. [FVP]

Card 2/2

S/0181/64/006/002/0499/0502

ACCESSION NR: AP4013512

AUTHORS: Polandov, I. N.; Myulov, V. A.

TITLE: Dielectric properties of polycrystalline solid solution $\text{Ba}(\text{Ti,Zr})\text{O}_3$ in the region of the phase transition at high pressures

SOURCE: Fizika tverdogo tela, v. 6, no. 2, 1964, 499-502

TOPIC TAGS: dielectric property, solid solution, polycrystalline solid solution, phase transition, high pressure, dielectric constant, Curie Weiss law

ABSTRACT: The authors have investigated the dielectric properties of a polycrystalline solid solution of $\text{Ba}(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ in weak electric fields and in a pressure range up to 6100 kg/cm^2 . They have measured the dependence of the dielectric constant on temperature in the region of the phase transition at various pressures. These data are shown graphically in Fig. 1 on the Enclosure. The authors have found that, with increase in pressure, curves showing the dependence of dielectric constant on temperature shift toward low temperatures. Plotting the reciprocal of the dielectric constant as a function of temperature has shown that at high pressures and in weak electric fields the Curie-Weiss law is fulfilled.

Card 1/3

ACCESSION NR: AP4013512

The temperature of the ferroelectric phase transition decreases linearly with application of pressure, and has a coefficient of $-3.8 \cdot 10^{-3}$ degree/atm. "In conclusion, we consider it our duty to express our sincere thanks to L. F. Vereshchagin, Corresponding Member AN SSSR, for his guidance of the work and his constant interest." Orig. art. has: 4 figures.

ASSOCIATION: Institut fiziki vy*sokikh davleniy AN SSSR, Moscow (Institute of the Physics of High Pressures AN SSSR); Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 15Aug63

DATE ACQ: 03Mar64

ENCL: 01

SUB CODE: PH

NO REF SOV: 006

OTHER: 004

Card 2/3

ACCESSION NR: AP4013512

ENCLOSURE: 01

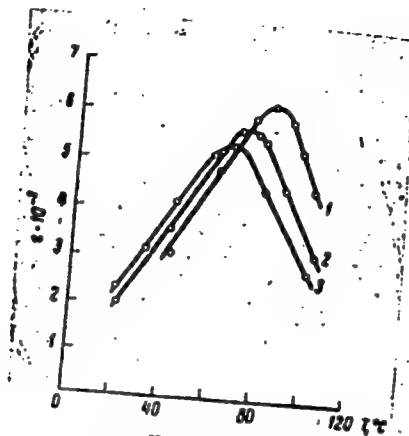


Fig. 1. Dependence of the dielectric constant of a solid solution of $\text{Ba}(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ on temperature at different pressures (kg/cm^2): 1 - 2000 kg/cm^2 ; 2 - 4300; 3 - 6100. Strength of the alternating electric field is 30 v/cm.

Card 3/3

L 10390-63

EWT(1)/BDS/ES(s)-2--AFFTC/ASD/SSD--Pt-4--IJP(C)/GG

ACCESSION NR: AP3001398

S/0020/63/150/004/0779/0780

66
60

AUTHOR: Polandov, I. N.

TITLE: On the question of dielectric properties²¹ of polycrystalline Ba(Ti, Sn)O sub 3 solid solution under high pressure

SOURCE: AN SSSR. Doklady, v. 150, no. 4, 779-780

TOPIC TAGS: piezoelectrics, dielectric constant, barium titanate, barium starrate, Curie point, high-pressure effect

ABSTRACT: The effect of high pressure²¹ on the dielectric constant of one of the solid solutions formed in the BaTiO sub 3--BaSnO sub 3 system has been investigated. The composition of the solid solution selected was Ba(Ti sub 0.9, Sn sub 0.1)O sub 3. A polycrystalline specimen was subjected to hydrostatic pressures from 1000 and 4200 kg/cm sup 2 at a temperature of 20 to 60C, i.e., in the region of the phase transformation at the Curie point (approximately 41C u under atmospheric pressure). The magnitude of dielectric constant at the Curie point was found to drop sharply with increasing pressure (see Fig. 1 of Enclosure). At the same time the maximum of the dielectric constant temperature

Card 1/1 *py*

L 10390-63

ACCESSION NR: AP3001398

6.
curve became less pronounced and shifted toward lower temperature curve became less pronounced and shifted toward lower temperature; i.e., the Curie point also drops with increasing pressure. The drop is linear and amounts to 0.003 degree/atm. This article was presented by Academician I. V. Obreimov, 2 January 1963. "In conclusion I express my deep thanks to Corresponding member of AN SSSR L. F. Vereshchagin for guidance in the work and to Prof. G. A. Smolenskiy and V. A. Isupov for their help in the work. I express my gratitude to L. V. Savel'yev, who took part in the preparation and conduct of the experiment." Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Institut fiziki vysokikh davleniy Akademii nauk SSSR (Institute of Physics of High Pressures, Academy of Sciences SSSR)

SUBMITTED: 24Dec62

DATE ACQ: 01Jul63

ENCL: 01

SUB CODE: 00

NO REF SOV: 005

OTHER: 002

Card

2/32

POLANDOV, I.N.

Effect of hydrostatic pressure on the polymorphic transition point
of the antiferroelectric Pb_2MgWO_6 . Fiz.tver.tela 5 no.4:1147-1149
Ap '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Ferroelectric substances) (Dielectric constant)

LEONIDOVA, G.G.; POLANDOV, I.N.; GOLENTOVSKAYA, I.P.

Effect of hydrostatic pressure on the phase transition
temperature in triglycine sulfate. Fiz. tver. tela 4
no.11:3337-3340 N '62. (MIRA 15:12)

1. Institut fiziki vysokikh davleniy AN SSSR i Moskovskiy
gosudarstvennyy universitet imeni Lomonosova.
(Glycine—Thermal properties)

POLANDOV, I.N.; MYLOV, V.A.

Dielectric properties of a polycrystalline $\text{Ba}(\text{Ti}, \text{Zr})\text{O}_3$ solid solution in the phase transition region at high pressures. Fiz. tver. tela 6 no.2:499-502 F '64. (MIRA 17:2)

1. Institut fiziki vysokikh davleniy AN SSSR, Moskva i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

S/120/60/000/02/047/052

E140/E335

AUTHORS: Leonidova, G.G. and ~~Polandov, I.N.~~

TITLE: Measurement of High Pressures Using Tensometers

PERIODICAL: Pribery i tekhnika eksperimenta, 1960, No 2,
p 159 (USSR)

ABSTRACT: A bridge circuit is described in which all resistances are composed of identical tensometers. One is located in the same volume as the working tensometer for temperature compensation. There are 1 figure and 1 Soviet references.

ASSOCIATION: Institut fiziki vysokikh davleniy AN SSSR 
(Institute of High-pressure Physics of the Ac.Sc., USSR)

SUBMITTED: January 23, 1959

Card 1/1

L 04418-67 EWT(1)/EWT(m)/EWP(j)/T/EWP(t)/ETI/EWP(k) IJP(a) JD/WW/HW/RM
 ACC NR: AP6034270 SOURCE CODE: UR/0386/66/004/007/0255/0258

AUTHOR: Mylov, V. P.; Polandov, I. N.; Strukov, B. A.

ORG: Chemistry Department of the Moscow State University im. M. V. Lomonosov
 (Khimicheskii fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: New phase-transition line in crystalline triglycine selenate at high pressures
 SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu.
 Prilozheniye, v. 4, no. 7, 1966, 255-258

TOPIC TAGS: ferroelectric material, phase transition, high pressure research, dielectric constant, electric polarization, Curie point

ABSTRACT: This is a continuation of earlier work (Fiz. tverdogo tela v. 4, 3337, 1962) on the ferroelectric properties of triglycine sulfate and triglycine selenate crystals. The present study is confined to triglycine selenate but the hydrostatic pressure has been raised to 8000 kg/cm². Measurements were made of the dielectric constant and the spontaneous polarization in the phase-transition region. It was found that the dielectric constant decreases at the Curie point with increasing pressure, the relative change in the dielectric constant at the Curie point at 5000 kg/cm² being ~60%. At pressures up to 8000 kg/cm² the Curie temperature shifts linearly into the region of higher temperature at a rate 3.7×10^{-3} deg/kg/cm², which is in good agreement with the results obtained earlier at pressures up to 2700 kg/cm². Measurements of the spontaneous polarization of triglycine selenate with the aid of a "hystereso-

Card 1/2

L 04418-67

ACC NR: AP6034270

graph" (Izv. VUZov. Priborostroyeniya v. 3, 25, 1960) show that at room temperature and at a pressure near 6000 kg/cm^2 the triglycine selenate crystal goes over to the paraelectric state. When the temperature is raised at fixed pressure, the crystal again becomes ferroelectric, as manifest by the appearance of a hysteresis loop on the oscilloscope screen and by the readings of the hysteresograph. Further increase in temperature again makes the crystal paraelectric after a phase transition. It is thus found that at 6000 kg/cm^2 triglycine selenate goes through two ferroelectric phase transitions as the temperature is raised. Further investigations were made with the pressure varied under isothermal conditions. During the course of the experiment, hysteresis loops were observed, and the transition temperature was established as the spontaneous polarization decreased to zero and the hysteresis loop disappeared. The investigations show that in the temperature region $0 - 50^\circ\text{C}$, at pressures $5800 - 7800 \text{ kg/cm}^2$, there exists in the triglycine selenate crystal a new line of phase transitions which, together with the transition line previously obtained, delineates the region of existence of the ferroelectric state of the triglycine selenate crystals. The authors thank the director of this work, Academician L. F. Vereshchagin for continuous interest and help. Orig. art. has: 2 figures and 1 formula.

SUB CODE: 20/ SUBM DATE: 05Jul66/ ORIG REF: 002/ OTH REF: 005

Card 2/2 vmb

AUERMAN, I.Ya.; KRETOVICH, V.L.; POIANDOVA, R.D.

Fermentative way of improving the quality of wheat bread by the
method of oxidation. Prikl. biokhim. i mikrobiol. 1 no.1:66-73
Ja-F '65. (MIRA 18:5)

1. Tekhnologicheskii institut pishchevoy promyshlennosti, Moskva.

24.7800,

S/181/62/004/009/038/045
B104/B186

AUTHORS: Leonidova, G. G., and Polandov, I. N.

TITLE: Transition of barium titanate into the paraelectric state at high pressure

PERIODICAL: Fizika tverdogo tela, v. 4, no. 9, 1962, 2613 - 2615

TEXT: The changes in the dielectric properties of monocrystalline barium titanate at high pressures and at room temperature were studied. The specimen (0.3-4.4 mm) had silver electrodes and was subjected to high pressures in a chamber in which the capacitance of the single crystal was measured at 800 cps. At the beginning of pressure rise, the capacitance remained constant. At 11,000 kg/cm² a sharp peak was observed. With a further increase in pressure the capacitance decreased to a small value. Above this transition the capacitance was independent of the voltage applied which is typical of a paraelectric state. The dielectric constant depends on pressure in the same way as the capacitance. The transition takes place at that pressure at which the Curie temperature of barium titanate had decreased to room temperature. There is 1 figure.

Card 1/2

EWI(1)/EPA(s)-2/EWP(w)/EWT(m)/EPP(n)-2/T/EWP(t)/EWP(b)/EWA(h)/EWA(c)
 IJP(c) JD/WW/JG/GG
 ACCESSION NR: AP5014596
 AUTHOR: Polandov, I. N. 55, 44
 TITLE: Investigation of the ferroelectric solid solution $\text{Ba}(\text{Ti}_{0.95}\text{Zr}_{0.05})\text{O}_3$ at high pressures 21, 44, 55
 SOURCE: *Fizika tverdogo tela*, v. 7, no. 6, 1965, 1874-1876
 UR/0181/65/007/006/1874/1876

TOPIC TAGS: ferroelectric material, solid solution, barium compound, zirconium containing alloy, titanium containing alloy, pressure effect, Curie point
 ABSTRACT: The author describes the results of experimental investigations of the dielectric properties of the investigated solid solution in the pressure range from 0 to 7200 kg/cm². The experiments were carried out with a sample 5 mm in diameter and 0.5 mm thick. The capacitance of the sample was measured at 1000 cps. The temperature dependence of the dielectric constant was measured in the temperature interval 20--1200 at various hydrostatic pressures up to 7200 kg/cm². The rate of temperature increase was kept constant in all experiments at 0.250 per minute. At atmospheric pressure the data obtained agreed well with those previously published.

Card 1/2

L 2523-66

ACCESSION NR: AP5014596

13

As the pressure was increased, the Curie temperature shifted towards lower temperatures continuously and the lattice symmetry changed from tetragonal to cubic; at the same time, the sample changed to the para-electric state. The dielectric constant at the Curie point decreased noticeably with increasing pressure. The sensitivity of the dielectric constant near the phase transition point to hydrostatic pressure is attributed to the influence of pressure on the main structure, indicated in an earlier paper by the author (with V. P. Mylov, FTT v. 6, 499, 1964). "In conclusion, I am grateful to L. F. Vereshchagin for continuous interest and help, and to V. P. Mylov and P. M. Americhkin for participating in the experiment".
Orig. art. has: 2 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University) 55,44

SUBMITTED: 07Jan65

ENCL: 00

SUB CODE: SS,MM

NR. REF SOV: 007

OTHER: 004


Card

2/2

ACC NR: AP6036978 (A,N) SOURCE CODE: UR/0181/66/008/011/3320/3323

AUTHOR: Krasnikova, A. Ya.; Polandov, I. N.; Mylov, V. P.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Character of the behavior of the ferroelectric properties of potassium ferrocyanide

SOURCE: Fizika tverdogo tela, v. 8, no. 11, 1966, 3320-3323

TOPIC TAGS: potassium compound, ferroelectric property, phase transition, paraelectricity, high pressure research, dielectric constant, temperature dependence

ABSTRACT: This is a continuation of earlier work (FIT v. 8, no. 1, 1967) dealing with the ferroelectric phase transition in potassium ferrocyanide $K_4Fe(CN)_6 \cdot 3H_2O$ in different crystalline modifications. The purpose of the present investigation was to determine the influence of high hydrostatic pressure on the dielectric properties of potassium ferrocyanide, in order to obtain new information on the character of the polytypical transformations observed in this crystal. A single crystal with [101] cut, grown from a solution of recrystallized salt, was tested. The dielectric characteristics were measured in the temperature range from 0 to -55°C at pressures up to 5500 kg/cm². The tests showed that the greatest sensitivity of the dielectric constant to pressures observed in the region of the transition to the paraelectric phase, for which the rate of change of the transition temperature with pressure is 2.3×10^{-3} deg-cm²/kg, and the rate of change of the maximum dielectric constant with

Card 1/2

ACC NR: AP6036978

pressure is $11.8 \times 10^{-3} \text{ kg}^{-1}\text{cm}^2$. The temperature dependence of the dielectric constant of potassium ferrocyanide exhibited an oscillatory dependence on the temperature, with the values of the peaks and the distances between them differing with the applied pressure. The authors thank L. F. Vereshchagin and V. A. Koptsik for directing the work and discussing the results. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 19Mar66/ ORIG REF: 004/ OTH REF: 004

Card 2/2

POLANKA, Ed., MUDr; SLAVETINSKY, Milan, Dr.

Effect of smoking on gingivitis. Prakt. zub. lek., Praha 2 no.
10:223-225 1954.

1. Za Stomatologického oddeleni FN v Olomouci
(GINGIVITIS, etiology and pathogenesis
smoking)
(SMOKING, injurious effects
gingivitis)

KOSTECKA-MADALSKA, Olga; POLANOWSKI, Antoni

Ethereal oil from domestic *Erigeron canadensis* L. Acta Pol.
pharm. 21 no.3:275-279 '64

1. Z Zakładu Botaniki Farmaceutycznej Akademii Medycznej we
Wrocławiu (Kierownik: prof. dr. J. Madalski).

POLOANSKI, T.

Wilinska, J. Polanowski, T.

"A City Reporter in a Village." Tr. from the Polish." p. 14.
(Hungarian Radio. Vol. 9, no. 2, June 1953, Budapest.)

SO: Monthly List Of East European Accessions, Vol. 2, No. 9, Library of Congress, September
1953, Uncl.

POLANOWSKI, T.

The interior and the facade; a poem, p. 2. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 1, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

POLANSKAK, Z.

Will the creations of Yugoslav inventors find their place in
the industries of our country? Tesla 9 no.4:36 '62.

POLANCAK, Z.

"The man's 20 senses before the unknown" by Charles Noel Martin.
Reviewed by Z. Polancak. Tesla 9 no.4:60 '62.

MALINOWSKI, Stanislaw; JACINSKI, Stanislaw; POLANSKA, Barbara

Studies on alcohol reactions in gaseous phase. Pt. 4.
Rozn chem 33 no 1421-27 '64.

1. Department of Organic Technology I, Technical University,
Warsaw, and Institute of Organic Synthesis, Polish Academy of
Sciences, Warsaw.

POLANSKA Br.

Klin. radiol., A. M., Kraków. *Dysostosis cranio-digito-facialis PATOL. POLSKA 1953,
1953, 4/3 (221-223) Illus. 7.

Radiological description of a case of dysostosis of mixed Crouzon and Apert type
in a male child aged 16 months with oxycephaly and hydrocephalus. The pathogenic
hypothesis of Bonevie is cited. Ziemnowicz - Wroclaw (VIII, 5)

SO: Excerpta Medica; Section VIII Vol. 7 No. 11.

POLANSKA, Bronislawa

Coarctation of aorta. Przegl. lek. Krakow 10 no.12a:359 Dec 54.

1. Z kliniki radiologicznej A.M. w Krakowie - kierownik doc. dr.
J.Chudyk.

(COARCTATION OF AORTA)

GEBALA, Antoni; SOKOLOWSKA-PITUCHOWA, Janina; POLANSKA, Bronislawa.

Vrolik's and Lobstein's osteogenesis imperfecta. Pat.polska 6
no.3:189-196 July-Sept '55.

1. Z Kliniki Chorob Dzieci. Kier.: prof. dr W. Bujak; Z. Zakl.
Anat.Pat. Kier.:prof. dr J. Kowalczykowa, Z. Kliniki Radiol.
Kier.: dr J. Chudyk; A.M. w Krakowie. Krakow. ul. Strzelecka
Klin.Chorob Dzieci.
(OSTEOGENESIS, IMPERFECTA,
Vrolik's & Lobstein's types)

POLANSKA, B.

EXCERPTA MEDICA Sec.14 Vol.11/8 Radiology Aug57.

1455. POLAŃSKA B., CZAPNICKA M. and WITEK J. Klin. Radiol. A.M., Kraków. *Metody i doświadczenia w cholangiocholecystografii dożylniej przy użyciu biligrafiny. Methods and experiences in intravenous cholangiocholecystography by the use of biligrafin PRZEGL. LEK. 1956, 12/11 (337-342) Illus. 8

Biligrafin has considerably higher diagnostic value than orally administered drugs. Inflammatory changes in the biliary tract and the gallbladder, and especially co-existent gallstones, frequently though not invariably afford a reduced visualization of the biliary tract, which nevertheless is diagnostically invaluable. It is only in the most serious lesions of the liver and in the presence of obstacles of mechanical nature that the biliary tract is not visible. Lesions of liver tissue, according to reports of many authors, are no contraindication to biligrafin investigation, on account of its elimination by the renal route. Mikulowski - Cracow (XIV, 6, 9)

POLANSKA, Bronislawa

Infantile scurvy, Barlow's disease. Polski przegl. radiol.
20 no.4:217-222 July-Aug 56.

1. Z Kliniki Radiolog. A.M. w Krakowie, Kier.: prof. dr. J. Chudyk
Zaklad Radiol. A.M. w Krakowie.

(SCURVY, in infant and child
(Pol))

EXCERPTA MEDICA Sec 15 Vol 12/4 Chest Diseases Apr 59

898. THIN-WALLED CYSTIC TUBERCULOUS CAVITIES FORMING DURING TREATMENT WITH ANTIBIOTICS - W sprawie cienkościennych, torbielowatych jam gruźliczych powstających w przebiegu leczenia antybiotykami - Polńska B., Pieniążek J. and Tomasik B. Klin. Radiol. A.M., Kraków - PAT. POL. 1958, 9/2 (175-182) Tables 1 Illus. 8

This is a description of the cleansing of a tuberculous cavity, as a result of antibiotic action. The appearance of thin-walled tuberculous cavities is explained by a change in the anatomo-pathological type of tb of the pulmonary tissue under the influence of antibiotic treatment. In the final picture in certain cases a new type of tuberculous cavity forms, dry and not containing any infective material but constituting a disability in the lungs rather than a disease, if the clinical state of the patients is good.

Dobrowolski - Warsaw (XV, 5)

1. Z Kliniki Radiologicznej A. M. w Krakowie Kierownik:
Doc dr J. Chudyk Z Zakładu Anatomii Patologicznej A. M. w Krakowie
Kierownik: prof. dr J Kowalczykowa Z Wojewodzkiego Szpitala
Specjalistycznego w Krakowie Oddział Woła Justowska Ordynator: dr.
J. Peniaczak. Adres autorów Krakow, ul Kopernika 21, Klinika
Radiologiczna A. M.

~~POJANSKA~~

Neurogenic osteoarthritis. Polski przegl. radiol. 22 no.4:197-200
July-Aug 58.

1. Z Klinik Radiologicznej A. M. w Krakowie Kierownik: dr J. Chudyk.
(OSTEOARTHRITIS, case reports
neurogenic osteoarthritis (Pol))

POLANSKA, Bronislawa (Krakow, ul. Czarnowiejska 50 B)

Value of intravenous cholangiocholecystography with biligraffin in the diagnosis of diseases of the biliary tract. Polski przegl. chir. 36 no.1:19-33 Jan '58

1. Z Kliniki Radiologicznej A.M. w Krakowie, Kierownik: doc. dr. J. Chudyk.

(CHOLANGIOGRAPHY,

cholangiocholecystography, intravenous, with sodium iodipamide, value in diag. of biliary dis. (Pol))

(BILIARY TRACT, dis.

diag. by intravenous cholangiocholecystography with sodium iodipamide, value (Pol))

POLACEK, E.; POLANSKA, M.

Concentration test in infants. Cesk. pediat. 17 no.1:1-10 Ja '62.

1. Ustav vyzkumu vyvoje ditete, reditel prof. MUDr. J. Houstek
Kojenecky ustav v Praze-Krci, reditel MUDr. Z. Zeman.

(KIDNEY FUNCTION TESTS in inf & child)

POLANSKI, A.

POLANSKI, A. A New Essay of Evaluation of the Chemical Composition of the Earth. Poznanskie Towarzystwo przyjaciol nauk. Bulletin. Serie B: sciences mathematiques et naturelles, 1948, no. 9, p. 25-46.

C /

Some problems of biogeochemistry. Antoni Polanski
(Univ. Poznan, Poland). *Wiadomości X 1987/88 Z 17/18*
(Polish Geol. Museum Mag.) 4, 33-50 (1949) (French
summary).—A review, with discussion of the role of
C, P, S, N, and I, and of the S and N cycles. The physiol.
effects of I, Co, Cu, and Zn are discussed. M. F.

CA

8

The alkaline rocks of the East-European Plateau. Antoni Polański (Univ. Poznań, Poland). *Bull. int. acad. sci. Polon. Ser. B, Sci. Math. et nat.* No. 10, 110-144 (1949) (in English). A petrological comparative study of the complexes of alk. rocks cutting through the East-European plateau in some of its border regions in Sweden, Finland, and the Kola peninsula is given. A geological sketch of the platform itself is presented with special regard to the tectonic position of the alk. complexes and hypotheses of the origin of alk. rocks. Comparative petrological analyses are given based on chem. data and mineralogical compn. of the rocks. Distinction is made between two separate groups of alk. complexes characterized by the over- or under-satn. of alkali with alumina. W. H. Power

POLANOWSKI, Andrzej

In the footsteps of geologists. Uhl 7 no.4:144 '65.

1. API, Warsaw.

Polanski, A.

"Washing Sulphite Pulp Under Pressure", p. 72 (Przegląd Papierniczy, Vol. 9, No. 3,
March, 1953, Lodz, Poland

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress, August, 1953
Uncl.

POLANSKI, A.

Metamorphism of srystalline formations of the Eulengebirge. p. 211.
ARCHIWUM MINERALOGICZNE, Warszawa, Vol. 18, no. 2, 1954 (published 1955).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

POLANSKI, A.

Brian Mason's Principles of Geochemistry; a book review. p. 330.
ARCHIWUM MINERALOGICZNE, Warszawa, Vol. 18, no. 2, 1954 (published 1955).

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

POLANSKI, Alojzy dr inż.

Transportation mechanization of raw materials in storing places
of machine industry plants. Przegl mech 22 no. 13:401-405
10 J1 '63.

1. Kierownik Zakladu Dzwignic i Przenosnikow, Politechnka,
Poznan.

POLANSKI, Alojzy, dr inz.

Mechanized installations for continuous reloading bulk material in storehouses. Mechanika Poznan no. 4:195-220. '62.

1. Director, Institute of Cranes and Conveyors, Technical University, Poznan.

POLANSKI, Alojzy, dr inz.

Assembly conveyers for control and measuring armatures and instruments. Przegl mech 21 no.16:498-502 25 Ag '62.

1. Politechnika, Poznan.

POLANSKI, ANTONI.

Ratibor i okolice. Warszawa, Sport i Turystyka, 1955. 122 p. (Ratibor and vicinity. illus., maps)

So: Eastern European Accession. Vol 5, no. 4, April 1956

FOLANSKI, A,

Radioactive methods applied in the determination of absolute age in
geology.

p. 453

No. 10, Oct. 1955

PRZEGLAD GEOLOGICZNY

Warszawa

SOURCE: East European Accessions List (EEAL), LC. Vol. 5, no. 2, Feb. 1956

POLANSKI, A.

Kalervo Rankamas' Geology of Isotopes; a book review. p. 209
(Archiwum Mineralogiczne, Vol. 19, No. 2, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept 1957, Uncl.

Polanski, J.

Critical remarks on some ~~geochemical~~ ^{geochemical} speculations concerning phosphoric argon. J. A. Polanski (Polish Acad. Sci., Warsaw). ~~Bull. Acad. Polon. Sci., Classe III 5, 335-34~~ (1957) (in English).--The computations by Chackett (C.A. 45, 5741k), Tatel (C.A. 46, 8529i), Rostagni (C.A. 46, 833e), Birch (C.A. 46, 8483k), Kulp (C.A. 46, 2974i), Rankama (C.A. 48, 8140k), Shillideur and Russel (C.A. 50, 5170d) are discussed. According to Polanski it seems premature to attempt speculations based on the amount of A¹⁸ in the atm. Jan Burchart

SE

RM

11

POLAND/Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour: Ref Zhur-Khim., No 23, 1958, 76954.

Author : Polanski, Antoni.

Inst :

Title : The Problem of Atmospheric Argon.

Orig Pub: Arch. mineralog., 1957, 20, No 1-2, 259-295.

Abstract: A review of works concerning the problems of atmospheric Ar. Computations of the age of the earth's crust and of the atmospheric Ar are carried out based on the content of Ar⁴⁰ in the atmosphere. The age of the earth's crust is computed to be 3×10^9 , 3.5×10^9 and 4×10^9 years assuming that the thickness of the earth's crust is 31, 33 and 36 km respectively. The age of the atmospheric Ar is in the range from 1.15×10^9 to 4.75×10^9 .

Card : 1/2

POLANSKI, Alojzy, dr., inz.

Criteria for evaluating and selecting the economic efficiency of transportation equipment. Przegl mech 20 no.23:702-705 '61.

1. Politechnika Poznanska.

(Poland — Transportation)

POLANSKI, Jerzy

Renaissance of Pirogov's operation. Polski. przegl. chir. 31 no.4:
545-548 May 59.

1. Z I Kliniki Chirurgicznej Pomorskiej A. M. w Szczecinie Kierownik:
prof. dr T. Sokolowski.
(AMPUTATION)

VALD, B.; ZOLTAN, L.; POLANSKI, T.; TOT, S.; BERICZEI, M.

Treating generalized forms of malignant tumors by injecting Y^{90} into
the hypophysis. Vop. onk. 6 no. 10:9-12 0 '60. (MIRA 14:1)
(YTTRIUM—ISOTOPES) (CANCER) (PITUITARY BODY)

POLANSKI, Zbigniew, mgr inz.

Practical methods of finding certain empirical formulas.
Pomiary 9 no.6:254-258 Je '63.

1. Katedra Obrobki Metali, Politechnika, Krakow.

POLANSKI, Zbigniew, dr inz.

Economic and physical bases for the selection of electric conditions of electrospark hollowing of conic cavities while applying the RC generator. Przegl mech 22 no.15:480 10 Ag '63.

1. Katedra Obróbki Metali, Politechnika, Krakow.

KACZMAREK, Jan, prof. dr inż.; POLANSKI, Zbigniew, dr inż., adiunkt; SUMMER-
BRASON, Krzysztof, mgr inż., st. asystent

Results of studies on the time and technological utilization
of the machine tool park as a reserve for increased production.
Przegl mech 24 no.6:163-167 25 Mr '65.

1. Department of Metal Machining of the Krakow Technical University.

POLANSKI, Zygmunt, dr

The quays as an element determining the turnover of a fishing port. Tech gosp moraka 15 no.2:49-51: T '65.

1. Sea Fisheries Institute, Gdynia.

POLANSKIY, A.
SHEBALIN, N.

"A new Essay of Evaluation of the Chemical Composition of the Earth" [in English] (in Bull. de la Soc. des amis des sciences et des lettres de Poznan, ser.B, livre IX, p.25-46, 1948).

A.Polanski. Reviewed by N.Shebalin. Vop.kosm.1:274 '52.

(MLRA 7:2)

(Geochemistry) (Polanski, A.)

POLANSKIY, A. P.

AID P - 582

Subject : USSR/Mining

Card 1/1 Pub. 78 - 19/22

Authors : Polanskiy, A. P., Rakina, V. N., and Grigor'yev, A. F.

Title : Experience with a multi-purpose and combined exploitation of wells in the Saratovgas Trust

Periodical : Neft. Khoz., v. 32, #8, 85-89, Ag 1954

Abstract : A description of coordinated management in training of the gas well operating and repair personnel; outline of the organization of the professional schools, special workers study groups and brigades for various coordinated emergency and safety works; description of two apparatuses specially designed for simple control of gas flow with definite rate and for automatic "blow-out" of liquid from the gas separator. Two drawings.

Institution : None

Submitted : No date

POLANSKY, A.

Polansky, A. Analysis of a nonstationary flow of heat by means of a mechanical analogue. p.1.

Vol. 65, no. 2, 1955 ROZPRAVY. RADA TECHNICKE-VEDECKA. Praha, Czechoslovakia

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2
February, 1956

Polansky, A; Rehanek, J.

"The problem of the thermal accumulation of exposed outer wall surfaces.

p. 75 (Sbornik, No. 1, 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

POLANSKY, A.: REHANEK, J.: SAFAR, L.

Accuracy in solving cases of unstationary heat conduction by using
hydromechanical models. p. 65.

Ceskoslovenska vedecka technicka spolecnost pro zdravotni techniku a
vzduchotechniku. SBORNIK. Praha, Czechoslovakia. No. 3, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959.
Uncl.

I-22826-66 ETC(m) WW

ACC NR: AP6010694

SOURCE CODE: CZ/0037/65/000/005/0407/0421

AUTHOR: Polansky, Alois; Janous, Antonin

ORG: Industrial Construction n.p., Prague (Prumstav n.p.); Research Institute of Architectural Structures, Prague (Vyzkumny ustav pozemnich staveb)

TITLE: Method for measuring small through-flow amounts of air

SOURCE: Ceskoslovensky casopis pro fysiku, no. 5, 1965, 407-421

TOPIC TAGS: gas pressure, air, pressure measurement, gas flow, flow analysis

ABSTRACT: A theoretical analysis is presented of a new method for determining small through-flow amounts of air, from the pressure drop in a vessel of known volume. The influence is investigated of the state of the air during the pressure drop upon the accuracy of the results, and a quantitative evaluation of the method is made on the basis of specific results. A comparison of the experimental results of the new method with other methods of measurement shows good agreement. The practical applications of the new method are outlined. From its experimental verification it is evident that the new method can be used advantageously in all cases where small through-flow amounts of air must be determined within a certain pressure range. Orig. art. has: 12 figures, 39 formulas, and 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 03Apr64 / ORIG REF: 003

Card 1/1

POLANSKY, A.

Two-dimensional hydromechanical model of a thermal field. p. 57.

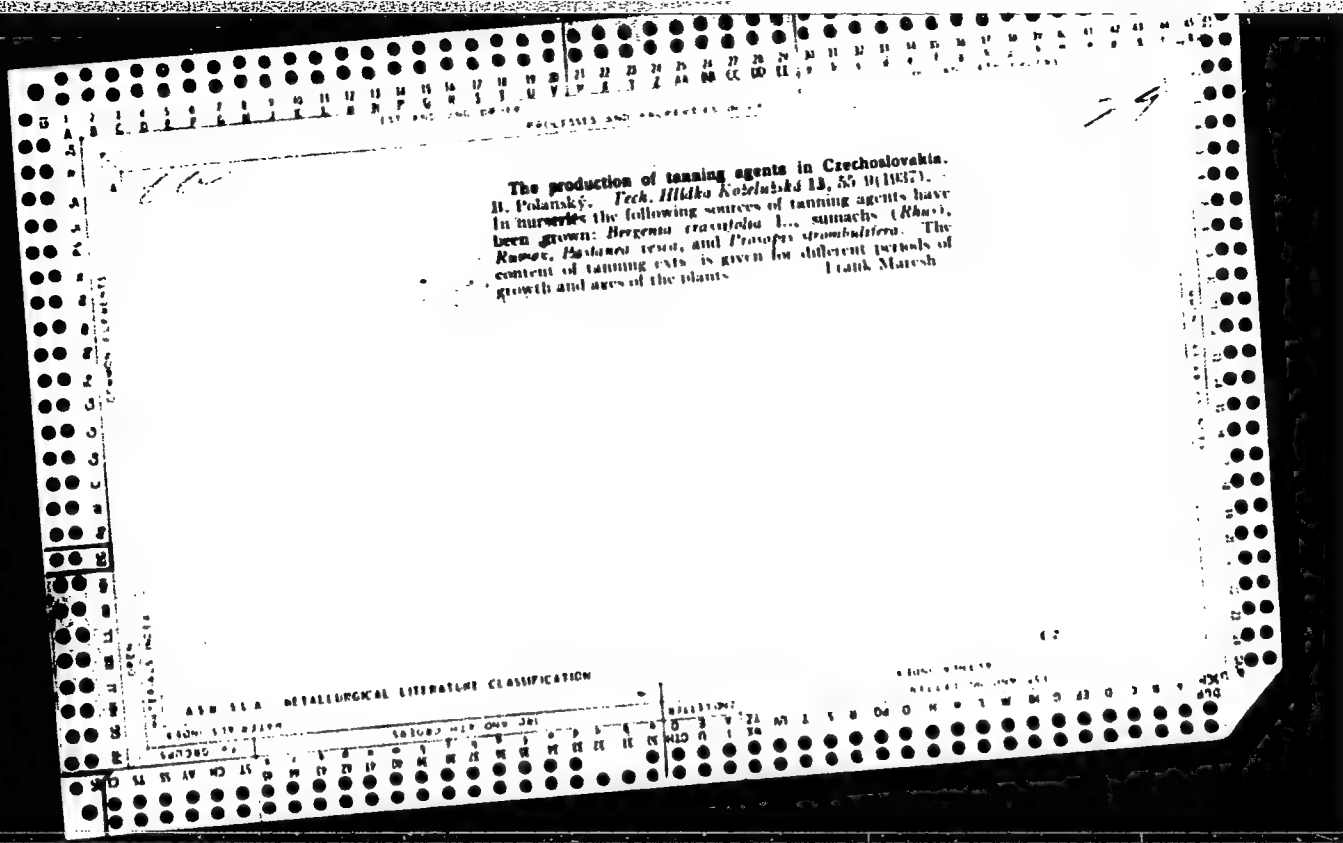
ZDRAVOTNI TECHNIKA A VZDUCHOTECHNIKA. (Ceskoslovenska akademie ved. Ceskoslovenska vedecka technika spolecnost pro zdravotni techniku a vzduchotechniku) Praha, Czechoslovakia. Vol 2, no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959. Uncl.

POLANSKY, Alois, inz. dr.; CACHA, Zbynek, inz.

Testing the new method of controlling the maximum temperature of hot water systems to 110° C. Energetika Cz 14 no.12:592-595 D '64.

1. Prumstav National Enterprise, Prague (for Polansky). 2. Institute of Technical Control, Prague (for Cacha).



ROLANDI, L.; CHIRFALVI, Gy.

"Effect of Pressure and Temperature on Measurement of Sugar Flow", P. 520,
(MAGYAR TERMOKIMIAI KÖZLEMÉNYEK, Vol. 7, No. 11, November 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions (EMAL), IC, Vol. 4, No. 3,
March 1955, Unc.

POLAKNYI, F.; OLIVAI, Gy.

"Report on Labor Competition of Stickers", P. (1) of cover, (HUNGAR
ENERGIAGAZDASAG, Vol. 7, No. 11, November 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions (EMAL), I.C, Vol. 4, No. 3,
March 1955, Uncl.

POLANSKY, B.

Professor Josef Konsel; a biographic note. p. 3.

No. 1, 1955
SBORNIK RADA C: SPISY FAKULTY LESNICKE
Brno, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4 April 1956

PCLANSKY, B.

Changes in composition of forests and type of forestry
in Czechoslovakia. p. 236.
SBCRNIK. RADA C: SPISY FAKULTY LESNICKE. Brno.
No. 4, 1955

SOURCE: EEAL - LC Vol. 5 No. 10 Oct. 1956

ROLANSKY, BOHUSLAV.

Pesteni lesu. Vypracoval kolektiv autoru lesnickych fakult v Praze, Brne a Zvoleni. [Vyd. 1.] Praha, Statni zemedelske nakl. (Lesnicka knihovna. Velka rada, sv. 22) [Silviculture. 1st ed. illus., fold, maps, bibl., indexes, tables]
Vol. 3. [Special silviculture] 1956. 595 p.

SO: Monthly List of East European Accessions (EIAL) LC, Vol. 6, no. 10, October 1957. Uncl.

POLANSKY, B.

Determination of some characteristic indexed of boiler operation.
p. 81. MAGYAR ENERGIAGAZDASAG. (Energiagazdalkodasi Tudomanyos
Egyesulet) Budapest. Vol. 9, No. 2, Feb. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol 5, No. 6, June 1956

POLANSKY, B.

Current problems of boiler automation in the Soviet Union
and Hungary. P. 133 MAGYAR ENERGIAGAZDASAG Budapest,
Vol. 9, no. 4, Apr. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956